

CLAIMS

1. Specific therapeutic immunomodulatory complex, **characterized in that it** comprises:
- dual molecules constituted by the coupling of a functional amino acid arm, ensuring binding to a target, with a genetic RNA arm corresponding to the coded description of the composition of the functional arm,
 - bacterial membrane fractions glycopeptides and/or lipopolysaccharides,
- 10 the ribonucleic acids (RNA) being of ribosomal origin and extracted from strains chosen from the following group: *Helicobacter pylori*, *hepaticus*, *coronari*, *Campylobacter* or from a mixture thereof.
2. Immunomodulatory complex according to Claim 1, **characterized in that** the amino acids are amino acids from collagen.
- 15 3. Immunomodulatory complex according to Claim 2, **characterized in that** the amino acids from collagen are chosen from the following group: aspartic acid,
- 20 hydroxyproline, threonine, serine, glutamic acid, proline, glycine, alanine, valine, methionine, isoleucine, leucine, tyrosine, phenylalanine, lysine, histidine, arginine, or a mixture thereof.
4. Immunomodulatory complex according to one of
- 25 Claims 1 to 3, for its use in the treatment of diseases caused by *Helicobacter* bacteria, by the production of antibodies and the production of endogenous interferon.
5. Immunomodulatory complex according to one of

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RNA-collagen complex

Claims 1 to 3, for its use as an anti-idiotypic vaccine against the idiotypes of anti-bacterial antibodies which make it possible to avoid, in particular, recidivations of the initial digestive tract pathology.

5 6. Immunomodulatory complex according to one of Claims 1 to 3, for its use against bacterial resistance to conventional antibiotic treatments and the like.

7. Anti-Helicobacter-specific immunomodulatory and vaccine complex according to one of the preceding claims,
10 **characterized in that it** is presented in a packaging allowing the simultaneous administration of major anti-inflammatory agents of the corticoid type, of antibiotics, of antisecretory agents, (proton pump inhibitors, of the type including Omeprazole or anti-H2,
15 and the like) or other products with bacteriostatic, bactericidal or bacteriolytic effects, for eradicating Helicobacter generating pathogeneses by factors linked to the bacterium (production of various cytotoxins, of inflammation mediators: Interleukin I, tumour necrosis
20 factor alpha), or by factors linked to the host.

a 8. Immunomodulatory complex according to ~~the preceding~~ ^{claim 7}
a ~~ing-claim~~, **characterized by** a packaging in the form such that it can be administered by various routes: infusions, intravenous injections, subcutaneous injections, trans-
25 dermal devices, or per os.

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(abstract)